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FACSIMILE TRANSMITTAL SHEET

DATE: September 25, 2003

TO: Examiner Gerald G. Leffers, Jr.
Group Art Unit 1636
United States Patent and Trademark Office
Telephone No.: (703) 308-6232
Fax Nos.: (703) 746-5114

FROM: Martha Cassidy

OUR REF: 1954-287

YOUR REF.: US Application Serial No. 09/453,801 filed on December 3, 1999

THIS MESSAGE IS INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR THE EMPLOYEE OR AGENCY RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICES. THANK YOU.

Number of Pages Including This Transmittal Sheet: 15

If any problems in connection with this facsimile, please contact: Jennifer Haskins at 202-783-6040.

MESSAGE, IF ANY:

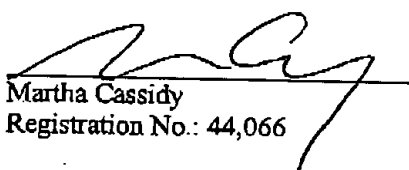
Please find attached, as submitted to the U.S. Patent and Trademark Office on May 19, 2003, copies of the Fee Transmittal, Amendment, and stamped postcard for U.S. Application Serial No. 09/453,801, filed December 3, 1999.

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper; this submission of the copies of the Amendment and accompanying documents filed May 19, 2003 for U.S. Application Serial No. 09/453,801, are being transmitted by facsimile no. (703) 746-5114 to Examiner Leffers in the Art Unit 1636 of the United States Patent and Trademark Office on the date shown below.

September 25, 2003

Attachments:
Fee Transmittal Form
Amendment
Stamped Postcard


Martha Cassidy
Registration No.: 44,066

002

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MAY 19 2003

x²¹
of 2

BEST AVAILABLE COPY

FEE TRANSMITTAL for FY 2003 (Small Entity)		Complete if Known	
		Application Number	09/453,801
		Filing Date	December 3, 1999
		First Named Inventor	Saswato CHATTERJEE, et al.
		Examiner Name	G. Leffers, Jr.
		Group Art Unit	1636
Total Amount of Payment	(\$ 205.00)	Attorney Docket Number	1954-287

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.

2. ☐ Payment Enclosed:

☐ Check
☐ Credit Card

FEE CALCULATION

1. FILING FEE

Fee Code	Fee \$	Fee Description	Fee Paid
2001	375	Utility filing fee	[]
2002	165	Design Filing Fee	[]
2003	260	Plant Filing Fee	[]
2004	375	Reissue Filing Fee	[]
2005	80	Provisional Filing Fee	[]

SUBTOTAL \$

2. CLAIMS

Total Claims	Extra Claims	Fee \$	Fee Paid
[] - 20** = [] x		\$9 = []	
Independent Claims [] - 3** = [] x		42 = []	
Multiple Dependent Claims +		140 = []	

**or number previously paid, if greater.

SUBTOTAL \$

FEE CALCULATION (continued)


3. ADDITIONAL FEES

Fee Code	Fee Paid	Fee Description	Fee Paid
2051	65	Surcharge - late filing fee or oath	[]
2052	25	Surcharge - late provisional filing fee or cover sheet	[]
1053	130	Non-English specification	[]
1812	2,520	For filing a request for reexamination	[]
1804	920	Requesting publication of SIR prior to Examiner action	[]
1805	1,840*	Requesting publication of SIR after Examiner action	[]
2251	55	Extension for reply within first month	[]
2252	205	Extension for reply within second month	[205]
2253	485	Extension for reply within third month	[]
2254	725	Extension for reply within fourth month	[]
2255	985	Extension for reply within fifth month	[]
2401	160	Notice of Appeal	[]
2402	160	Filing a brief in support of an appeal	[]
2403	150	Request for Oral Hearing	[]
1451	1,510	Petition to Institute a public use proceeding	[]
2452	55	Petition to revive - unavoidable	[]
2453	650	Petition to revive - unintentional	[]
2501	650	Utility issue fee (or reissue)	[]
2502	235	Design issue fee	[]
2503	315	Plant issue fee	[]
1460	130	Petitions to the Commissioner	[]
1807	50	Processing fee under 37 CFR 1.17(q)	[]
1808	180	Submission of Information Disclosure Statement	[]
8021	40	Recording each patent assignment per property (times number of properties)	[]
2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	[]
2810	375	For each additional invention to be examined (37 CFR 1.129(b))	[]
2801	375	Request for Continued Examination (RCE)	[]
1802	900	Request for expedited examination of a design application	[]
1504	300	Publication fee for early, voluntary, or normal publication	[]
1505	300	Publication fee for republication	[]
1455	200	Filing an application for patent term adjustment	[]
1458	400	Request for reinstatement of term reduced Other fee (specify)	[]

* Reduced by Basic Filing Fee Paid

SUBTOTAL

\$205.00

SUBMITTED BY		Complete (if applicable)	
NAME AND REG. NUMBER	Martha Cassidy, Reg. No. 44,066		
SIGNATURE		DATE	May 19, 2003
		DEPOSIT ACCOUNT USER ID	02-2135

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	<i>Application Number</i>	09/453,801
	<i>Filing Date</i>	12/3/99
	<i>First Named Inventor</i>	Saswati CHATTERJEE, et al.
	<i>Group Art Unit</i>	1636
	<i>Examiner Name</i>	G. Leffers, Jr.
	<i>Attorney Docket Number</i>	1954-287
<i>Title of the Invention:</i> A METHOD OF GENETICALLY MODIFYING VERY PRIMITIVE QUIESCENT HUMAN HEMATOPOIETIC STEM CELLS		

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the non-final Office Action mailed December 18, 2002, Applicants request entry of the amendments below and reconsideration of the application in light of these amendments and the remarks herein.